



## HTC Superfloor™ Platinum

HTC Superfloor™ is available as four different concepts: Platinum, Gold, Silver and Bronze. For **HTC Superfloor™ Platinum** the following special requirements apply for concrete surfaces that are to be given a final finish by polishing according to the HTC Superfloor™ concept.

### CASTING

To achieve an optimum aesthetic finish on the floor, the casting is of the greatest importance. (A poorly cast floor will be costly to grind, and even if the function of a polished floor can be achieved, the finish will be affected by uneven aggregate, cracks, etc.)

The HTC Superfloor™ method is not in itself a method for preventing cracks in the floor, etc.

Through experience from earlier examples, we can give the following tips on points to consider before casting:

- 1: Work the surface using a power float equipped with a surface plate. (To achieve a surface as pore-free and level as possible, thorough power floating is required)
- 2: The surface is power troweled moderately. A hard troweled surface is more difficult and time-consuming to grind through.  
Alternatively, the surface can be treated with a wide fresno trowel.
- 3: Normally, the concrete surface should be water hardened under plastic sheeting for 5-7 days after casting, before it is time to start grinding. Where appropriate, only with the rough step, leaving fine grinding and polishing until a later date.
- 4: The surface must not be waterlogged when impregnating. (This is to enable the silicate impregnation to penetrate and react with the concrete.)
- 5: If the finished floor is to fulfil class A according to Hus AMA 98, table 43 DC/-1, (SS-EN 1992-1-1:2005/AC:2008) the floor must fulfil identical requirements before the HTC Superfloor™ method commences. The same also applies for class B floors. (This is very important to remember when planning. With grinding, we only work on finishing the existing concrete surface. Minor irregularities can be corrected, but the grinding will be more expensive.)

### GRINDING PROCESS

The first grinding step is intended to remove the concrete skin and expose the underlying fine material, gravel and, **where possible, aggregate**. Normally, only 2 - 3 mm of the surface is ground down.

Between grinding step 2 and 3, the concrete surface is treated with silicate, HTC Cure.



After grinding step 3, the surface is inspected for cracks and pores. Where necessary, pores in the surface are filled, e.g. with HTC Grouting, if ordered by the customer.

After the final polishing step, which must be EZ FP60 Green/FENIX Green, the floor is cleaned with a combi-scrubbing machine and Twister™ Green and Twister™ Floor Conditioner, mixed in water in accordance with the dosing instructions.

(Alternative to the last instruction, if increased protection against liquids penetrating the floor is required: After the final polishing step, the concrete surface is treated with HTC Stain Protection.) This must be ordered as extra additional work.